




JASMINE YIP

Los Angeles, California

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Education

University of Southern California

Expected May 2027

Bachelor of Science in Computer Science

Los Angeles, CA

- Honors: Presidential Scholar (Half-Tuition Merit Scholarship); Viterbi Scholar (\$15,000 per annum); Dean's List (2x)
- Activities: LavaLab (Developer), USC Climbing Team (Social Chair), TroyLabs, Trojan Scholars Society
- Relevant Coursework: Introduction to Programming (C++), Discrete Methods in Computer Science, Data Structures and Object-Oriented Design, Algorithms and Theory of Computation, Principles of Software Development, Calculus III

Experience

LinkedIn

May 2025 – August 2025

Software Engineer Intern

Mountain View, CA

- Working on the Product Engineering team to enhance B2B marketplace profiles and Premium Company Page offerings.

USC Spatial Sciences Institute

September 2024 – April 2025

Mobile App Developer & Researcher

Los Angeles, CA

- Developed and launched a campus-wide food-sharing app using React Native, Firebase, WebSocket & Google Maps API.
- Engineered core app features enabling verified USC students to log in, donate surplus food, locate free meals via an interactive map, reserve pickups, message users, and verify transactions with QR codes.
- Built a web-based admin dashboard using React.js and Tailwind CSS to monitor user activity and visualize donation analytics, with interactive charts and graphs powered by Chart.js.

Goldman Sachs

October 2024 – February 2025

Emerging Leaders Series - Engineering

Dallas, TX

- Developed backend services and RESTful APIs for a Mutual Fund Calculator, integrating Newton Analytics and FRED APIs to fetch beta values, historical S&P 500 returns, and risk-free rates—improving prediction accuracy by 30%.
- Collaborated with 7 developers using Spring Boot, Next.js, and MongoDB to build and deploy the fullstack application.
- Selected among 100 U.S. students for the program; invited to an all-expense-paid trip to Dallas to present our project.

Sara Speech

June 2024 – July 2024

Software Engineer Intern

Los Angeles, CA

- Developed a speech therapy app using React Native and Expo in an Agile team environment through a CI/CD lifecycle.
- Engineered a progress tracking dashboard page that retrieves, processes, and graphically displays a child's learning data from an AWS Amplify backend with DynamoDB, generating exportable reports in PDF and Excel formats.
- Created an interactive speech-based Wordle game with animated gameplay elements using Lottie and Gesture Handler and real-time pronunciation feedback using TensorFlow.js.

Serato

December 2022 – February 2023

Software Engineer Intern

Auckland, NZ

- Developed Serato Visualizer, a multimedia content creation tool for music production, serving 2,000+ active users.
- Engineered a responsive download progress page using Vue.js and Axios to fetch API data and monitor downloads.
- Integrated Web Audio API to extract audio frequency parameters, applying FFT calculations to compute visual effects.
- Refactored a JavaScript component to accurately identify drag-and-drop file types using Magic Bytes, preventing extension spoofing attacks and ensuring 100% accurate file type detection.

Leadership / Extracurriculars

Software Developer

February 2024 – May 2024

LavaLab (USC's premiere product incubator)

Los Angeles, CA

- Collaborated with a team of four to develop and pitch Sequence, a no-code, choice-driven story writing and reading tool.
- Developed a whiteboard tool for writers using React.js and the React Flow library, allowing them to create and edit movable text blocks, adjust connectors to map out story lines, and publish stories for readers to discover.
- Designed a scalable database schema and modular backend logic in JavaScript to dynamically render story chapters.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, C++, Python, Java, PHP, SQL, HTML/CSS

Frameworks/Libraries: React.js, React Native, Vue.js, Node.js, Express.js

Technologies: Firebase, AWS (Amplify, S3, DynamoDB), MongoDB, MySQL, Git, GitHub, CI/CD